

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) An organic electroluminescence device comprising a reflective element, an organic emissive layer, a phase plate, and a polarizer disposed directly on the phase plate ~~in this order~~, wherein

polarization separators are provided between said organic emissive layer and said phase plate,

said polarization separators reflect specific light components from both ambient and electrically stimulated light traveling from said emissive layer side and pass the remaining light,

wherein said remaining ambient light is absorbed by said polarizer and a component of said remaining stimulated light is transmitted by said polarizer after conversion into a linear polarization by said phase plate,

wherein said specific light is in a wavelength range that is narrower than the light-emission wavelength range of said organic emissive layer,

said specific light includes a polarized light component which is absorbed by said polarizer after conversion into a linear ~~polarized~~ polarization by said phase plate.

2. (Previously Presented) An organic electroluminescence device according to claim 1, wherein said polarization separators are cholesteric liquid crystal layers and said phase plate is a quarter-wave plate.

3. (Currently Amended) An organic electroluminescence display device comprising a reflective element, an organic emissive layer, a phase plate, and a polarizer disposed directly on the phase plate ~~in this order~~, wherein

polarization separators are provided between said organic emissive layer and said phase plate,

said polarization separators reflect specific light components from both ambient and electrically stimulated light traveling from said organic emissive layer side and pass the remaining light,

wherein said remaining ambient light is absorbed by said polarizer and a component of said remaining stimulated light is transmitted by said polarizer after conversion into a linear polarization by said phase plate,

wherein said specific light is in a wavelength range that is narrower than the light-emission wavelength range of said organic emissive layer,

said specific light includes a polarized light component which is absorbed by said polarizer after conversion into linear polarization by said phase plate.

4. (Previously Presented) An organic electroluminescence device according to claim 1, wherein said organic emissive layer is organic thin films sandwiched by an optically transparent electrode and a metal electrode, and said metal electrode is a reflective electrode also serving as said reflective element.

5. (Previously Presented) An organic electroluminescence display according to claim 3, comprising: a plurality of light-emitting devices arranged in a matrix-form; and control means for controlling light-emitting operations of said light-emitting devices on the basis of image information.

6. (Currently Amended) An organic electroluminescence display comprising a reflective element, an organic emissive layer, a phase plate, and a polarizer disposed directly on the phase plate ~~in this order~~, wherein

polarization separators are provided between said organic emissive layer and said phase plate,

said organic emissive layer includes an emissive layer of red light emission, an emissive layer of green light emission and an emissive layer of blue light emission,

said polarization separators reflect specific light components from both ambient and electrically stimulated light traveling from said emissive layer side and pass the remaining light,

wherein said remaining ambient light is absorbed by said polarizer and a component of said remaining stimulated light is transmitted by said polarizer after conversion into a linear polarization by said phase plate,

wherein said specific light is in a wavelength range that is narrower than the light-emission wavelength range of one of said emissive layer of red light emission, said emissive layer of green light emission, or said emissive layer of blue light emission,

said specific light includes a polarized light component which is absorbed by said polarizer after conversion into a linear polarization by said phase plate.

7. (Previously Presented) An organic electroluminescence display according to claim 6, wherein said polarization separators are cholesteric liquid crystal layers and said phase plate is a quarter-wave plate.

8. (Previously Presented) An organic electroluminescence display according to claim 6, wherein a light-emission color layer differs depending on the pixel, and a reflective wavelength of said polarization separators is dependent on the pixel in correspondence to said light-emission color layer.

9. (Previously Presented) An organic electroluminescence display according to claim 6, wherein said emissive layer constructing a plurality of pixels executes a

color display constructed by one of said emissive layer of a red light emission, said emissive layer of a green light emission, or said emissive layer of a blue light emission, a polarization separator for reflecting red light is pattern-formed at a position corresponding to said emissive layer of the red light emission, a polarization separator for reflecting green light is pattern-formed at a position corresponding to said emissive layer of the green light emission, and a polarization separator for reflecting blue light is pattern-formed at a position corresponding to said emissive layer of the blue light emission, respectively.

10. (Previously Presented) An organic electroluminescence display according to claim 6, wherein said polarization separators are pattern-formed in a matrix-form in correspondence to light-emitting regions of said organic emissive layer constructing said pixels, and a black matrix is formed between the patterns of said polarization separators.

11. (Previously Presented) An organic electroluminescence display according to claim 10, wherein an aperture of said black matrix is wider than the light-emitting regions of said emissive layer constructing said pixels.

12-13. (Canceled)

14. (Previously Presented) An organic electroluminescence device or a display according to claim 1 or 6, wherein a center wavelength of the light emission of said organic emissive layer or a wavelength (peak wavelength) at which a maximum intensity is obtained almost coincides with a center wavelength of the reflection of said polarization separators at the position corresponding to said organic emissive layer.

15. (Previously Presented) An organic electroluminescence device or a display according to claim 1 or 6, wherein the reflective wavelength of said polarization separators at the position corresponding to a light-emitting region of said organic emissive layer is narrower than a light-emitting wavelength range of said organic emissive layer.

16. (Currently Amended) An organic electroluminescence device according to claim 1, wherein a center wavelength of the reflection of a polarization separator which is formed at a position corresponding to an emissive layer of a red light emission and reflects red light is set to be longer than a center wavelength of the light emission of said emissive layer or a wavelength (peak wavelength) indicative of a maximum intensity, thereby allowing the light-emission wavelength range of said emissive layer and a reflective wavelength of said polarization separator to almost coincide with each other in a visible wavelength range or setting the reflective wavelength of said polarization separator to be narrower than the light-emission wavelength range of said emissive layer in a visible wavelength range.

17. (Previously Presented) An organic electroluminescence device or a display according to claim 1 or 6, wherein an organic electroluminescence device is formed on a first substrate, the polarization separators are formed on a transparent second substrate different from said first substrate, a forming surface of the first substrate where said organic electroluminescence device has been formed and a forming surface of said second substrate where said polarization separators have been formed are overlaid and fixed.

18. (Previously Presented) An organic electroluminescence device or a display according to claim 1 or 6, wherein no substrate exists between said organic emissive layer and said polarization separators.

19. (Previously Presented) An organic electroluminescence device or a display according to claim 1 or 6, wherein a transparent insulation layer is provided between an optically transparent electrode and said polarization separators.

20. (Previously Presented) An organic electroluminescence device or a display according to claim 1 or 6, wherein a partition obtained by dispersing a pigment having a light absorbing property is provided into a non-light-emitting portion of said organic emissive layer.

21. (Previously Presented) An organic electroluminescence display according to claim 6, wherein said organic emissive layer constructing said pixels is an organic emissive layer for emitting white light, a polarization separator for reflecting red light, a polarization separator for reflecting green light, and a polarization separator for reflecting blue light are pattern-formed at positions corresponding to light-emitting regions of the organic emissive layer constructing said pixels, further, a color filter for transmitting red light is pattern-formed at positions corresponding to said polarization separator for reflecting the red light, a color filter for transmitting green light is pattern-formed at positions corresponding to said polarization separator for reflecting the green light, and a color filter for transmitting blue light is pattern-formed at positions corresponding to said polarization separator for reflecting the blue light, respectively.

22. (Previously Presented) An organic electroluminescence display device according to claim 6, wherein

a polarization separator for reflecting light of narrower wavelength range than the wavelength range of said emissive layer of red light emission is disposed between said emissive layer of red light emission and said phase plate,

a polarization separator for reflecting light of narrower wavelength range than the wavelength range of said emissive layer of green light emission is disposed between said emissive layer of green light emission and said phase plate,

a polarization separator for reflecting light of narrower wavelength range than the wavelength range of said emissive layer of blue light emission is disposed between said emissive layer of blue light emission and said phase plate.

23. (Previously Presented) An organic electroluminescence display device according to claim 6, wherein

polarization separators for reflecting red light emission at a corresponding position to said emissive layer of red light emission,

polarization separators for reflecting green light emission at a corresponding position to said emissive layer of green light emission, and

polarization separators for reflecting blue light emission at a corresponding position to said emissive layer of blue light emission, are pattern formatted, individually.

24. (Currently Amended) An organic electroluminescence display device comprising a reflective element, an organic emissive layer, a phase plate, and a polarizer disposed directly on the phase plate ~~in this order~~, wherein

polarization separators are provided between said organic emissive layer and said phase plate,

color filters are disposed between said polarization separators and said organic emissive layer for separately transmitting red light, green light and blue light,

said polarization separators reflect specific light components from both ambient and electrically stimulated light traveling from said emissive layer side and pass the remaining light,

wherein said remaining ambient light is absorbed by said polarizer and a component of said remaining stimulated light is transmitted by said polarizer after conversion into a linear polarization by said phase plate,

wherein said specific light is light of which the wavelength range is narrower than the light-emission wavelength range of said organic emissive layer,

said specific light includes a polarized light component which is absorbed by said polarizer after conversion into a linear polarization by said phase plate.

25. (Previously Presented) An organic electroluminescence display device according to claim 3, wherein

said polarization separator for reflecting red light is disposed between said organic emissive layer and said color filter for passing said red light emission,

said polarization separator for reflecting green light is disposed between said organic emissive layer and color filter for passing said green light, and

said polarization separator for reflecting blue light is disposed between said organic emissive layer and color filter for passing said blue light emission.